

1641

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/462,931

DATE: 03/16/2001
TIME: 15:08:18

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Output Set: N:\CRF3\03162001\I462931.raw

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3 <110> APPLICANT: HELLMAN, Jukka
4 KKTNEN, Sanna-Maria
5 KARP, Matti
6 LTVGREN, Timo
7 VNNEN, Kalervo
8 PETTERSSON, Kim
10 <120> TITLE OF INVENTION: Isolated osteocalcin fragments
12 <130> FILE REFERENCE: Isolated osteocalcin fragments
14 <140> CURRENT APPLICATION NUMBER: US 09/462,931
15 <141> CURRENT FILING DATE: 2000-01-18
17 <150> PRIOR APPLICATION NUMBER: PCT/FI98/00550
18 <151> PRIOR FILING DATE: 1998-06-24
20 <150> PRIOR APPLICATION NUMBER: FI 973371
21 <151> PRIOR FILING DATE: 1997-08-15
23 <160> NUMBER OF SEQ ID NOS: 4
25 <170> SOFTWARE: PatentIn Ver. 2.1
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28 <211> LENGTH: 160
29 <212> TYPE: DNA
30 <213> ORGANISM: Homo sapiens
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34 <222> LOCATION: (1)..(147)
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37 tac ctg tat caa tgg ctg gga gcc cca gtc ccc tac ccg gat ccc ctg 48
38 Tyr Leu Tyr Gln Trp Leu Gly Ala Pro Val Pro Tyr Pro Asp Pro Leu
39 1 5 10 15
41 gag ccc agg agg gag gtg tgt gag ctc aat ccg gac tgt gac gag ttg 96
42 Glu Pro Arg Arg Glu Val Cys Glu Leu Asn Pro Asp Cys Asp Glu Leu
43 20 25 30
45 gct gac cac atc ggc ttt cag gag gcc tat cgg cgc ttc tac ggc ccg 144
46 Ala Asp His Ile Gly Phe Gln Glu Ala Tyr Arg Arg Phe Tyr Gly Pro
47 35 40 45
49 gtc taactgcaga tgc 160
50 Val
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54 <211> LENGTH: 49
55 <212> TYPE: PRT
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58 <220> FEATURE:
59 <221> NAME/KEY: peptide
60 <222> LOCATION: (1)..(49)
61 <223> OTHER INFORMATION: Glu at residues 17, 21 and 24 may be gamma-carboxy-Glu
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64 Tyr Leu Tyr Gln Trp Leu Gly Ala Pro Val Pro Tyr Pro Asp Pro Leu
65 1 5 10 15
67 Glu Pro Arg Arg Glu Val Cys Glu Leu Asn Pro Asp Cys Asp Glu Leu

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68           20           25           30
70 Ala Asp His Ile Gly Phe Gln Glu Ala Tyr Arg Arg Phe Tyr Gly Pro
71           35           40           45
73 Val
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78 <212> TYPE: DNA
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83 <222> LOCATION: (1)..(33)
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86 atc gaa ggt cgt ggg atc ccc ggg aat tca tcg tgactgactg ac          45
87 Ile Glu Gly Arg Gly Ile Pro Gly Asn Ser Ser
88   1           5           10
90 <210> SEQ ID NO: 4
91 <211> LENGTH: 11
92 <212> TYPE: PRT
93 <213> ORGANISM: Homo sapiens
95 <400> SEQUENCE: 4
96 Ile Glu Gly Arg Gly Ile Pro Gly Asn Ser Ser
97   1           5           10

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VERIFICATION SUMMARY DATE: 03/16/2001
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